

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: SHU et al.

Application: REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS

Serial No.: 09/930,699

Filing Date: August 15, 2001

Art Unit: (not yet assigned)

Examiner: (not yet assigned)

Case: ANL-IN-99-004

CERTIFICATE OF MAILING: I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed for Assistant Commissioner of Patents, Washington, D.C. 20231, on

Sept. 14, 2001

Date of Deposit

Joan Pennington

Signature

Joan Pennington

Typed/printed name of person signing

535 North Michigan Avenue  
Unit 1804  
Chicago, Illinois 60611

Honorable Assistant Commissioner  
Of Patents  
Washington, D.C. 20231

TRANSMITTAL OF CORRECTED DECLARATION

Sir:

A corrected Declaration for Patent Application with Power of Attorney is being submitted herewith. A Declaration for Patent Application with Power of Attorney was submitted with the filing of the subject patent application on August 15, 2001. The enclosed Declaration for Patent Application with Power of Attorney includes the claim of

DECLARATION FOR PATENT APPLICATION  
WITH POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled  
**REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS** (Case ANL-IN-99-004), the specification of which

(check one) ☐ is attached hereto.  
☒ was filed on August 15, 2001  
as Application Serial No. 09/930,699  
and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, '1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, '119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			<u>Priority Claimed</u>	
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<u>YES</u>	<u>NO</u>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<u>YES</u>	<u>NO</u>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<u>YES</u>	<u>NO</u>

I hereby claim the benefit under Title 35, United States Code, '120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner

provided by the first paragraph of Title 35, United States Code, '112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, '1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

60/239,599      October 11, 2000      pending  
 (App.Ser.No.)      (Filing Date)      (Status)  
 (patented, pending, abandoned)

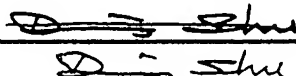
\_\_\_\_\_  
 (App.Ser.No.)      (Filing Date)      (Status)  
 (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

And I hereby appoint Joan Pennington (Reg. No. 30,885), a member of the Bar of the State of Illinois, using the address 535 North Michigan Avenue Unit #1804, Chicago, Illinois 60611 (Reg. No. 30,885), (Telephone 312/670-0736; Telecopier 312/670-7864), my attorney, with full power of substitution and revocation, to file this declaration, and to transact all business in the Patent and Trademark Office connected therewith. It is requested that all correspondence should be directed to:

**Joan Pennington**  
**535 North Michigan Avenue Unit #1804**  
**Chicago, Illinois 60611.**

Full name of sole or first inventor Deming Shu

Inventor's signature  08-30-01 D.S. 08-30-2001  
Deming Shu 08-30-2001 (Date)

Residence 8440 Evergreen Lane, Darien, Illinois 60532 60561

Citizenship ~~Peoples Republic of China~~ United States of America D.S. 08-30-01  
08-30-2001

Post Office Address same as above

Full name of second inventor Thomas S. Toellner

Inventor's signature Thomas S. Toellner 8-31-01  
(Date)

Residence 911 S. Laflin Street, Chicago, Illinois 60607

Citizenship United States of America

Post Office Address same as above

Full name of third inventor E. Ercan Alp

Inventor's signature E. Ercan Alp 8-31-01  
(Date)

Residence 612 Balmoral Circle, Naperville, Illinois 60650

Citizenship United States of America

Post Office Address same as above

**DECLARATION FOR PATENT APPLICATION**  
**WITH POWER OF ATTORNEY**

**As a below named inventor, I hereby declare that:**

**My residence, post office address and citizenship are as stated below next to my name.**

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS (Case ANL-IN-99-004), the specification of which

(check one) ☒ X is attached hereto.  
☐ \_\_\_\_\_ was filed on \_\_\_\_\_  
as Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable)

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### Prior Foreign Application(s)

Priority Claimed

<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>YES</u>	<u>NO</u>
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<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>YES</u>	<u>NO</u>
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<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	<u>YES</u>	<u>NO</u>
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provided by the first paragraph of Title 35, United States Code, '112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, '1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

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(App.Ser.No.)      (Filing Date)      \_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

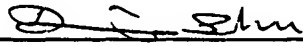
\_\_\_\_\_  
(App.Ser.No.)      (Filing Date)      \_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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**Joan Pennington**  
**535 North Michigan Avenue Unit #1804**  
**Chicago, Illinois 60611.**

Full name of sole or first inventor Deming Shu

Inventor's signature  Aug. 14, 2001  
(Date)

Residence 8440 Evergreen Lane, Darien, Illinois 60532

Citizenship Peoples Republic of China

Post Office Address same as above

Full name of second inventor Thomas S. Toellner

Inventor's signature *Thomas S. Toellner* *Aug 14, 2001*  
(Date)

Residence 911 S. Laflin Street, Chicago, Illinois 60607

Citizenship United States of America

Post Office Address same as above

Full name of third inventor *E. Ercan Alp* , *Aug 24, 2001* , *E.E.A*  
~~Esen E. Alp~~

Inventor's signature *E. Ercan Alp* *Aug 14, 2001*  
(Date)

Residence 612 Balmoral Circle, Naperville, Illinois 60650

Citizenship United States of America

Post Office Address same as above



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 29, 2001

PTAS



\*101827748A\*

JOAN PENNINGTON  
UNIT 1804  
535 NORTH MICHIGAN AVENUE  
CHICAGO, IL 60611

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/15/2001

REEL/FRAME: 012105/0141  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHU, DEMING

DOC DATE: 08/14/2001

ASSIGNOR:

TOELLNER, THOMAS S.

DOC DATE: 08/14/2001

ASSIGNOR:

ALP, E. ERCAN

DOC DATE: 08/14/2001

ASSIGNEE:

UNIVERSITY OF CHICAGO, THE  
5801 SOUTH ELLIS AVENUE  
CHICAGO, ILLINOIS 60637

SERIAL NUMBER: 09930699  
PATENT NUMBER:

FILING DATE: 08/15/2001  
ISSUE DATE:

21909 U.S. PTO

10/619111



07/14/03



08-29-2001

DEPARTMENT OF COMMERCE



101827748

To the Honorable Commissioner of Patents and Trademarks

and original documents or copy thereof.

1. Name of conveying party(ies):

Deming Shu,  
Thomas S. Toellner  
E. Ercan Alp

8-15-01

Additional name(s) of conveying party(ies) attached?

☐ Yes

☒ No

2. Name and address of receiving party(ies):

Name: The University of Chicago

Internal Address:

Street Address: 5801 South Ellis Avenue

City: Chicago State: Illinois ZIP: 60637

Additional name(s) & address(es) attached: ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: August 14, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: August 14, 2001

a. Patent Application No.(s) ANL-IN-99-004

b. Patent No.(s)

Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joan Pennington

Internal Address: Unit 1804

08/28/2001 TDI:AZI 00000039 501048 09930699

01 FC:581

40.00 CH

Street Address:

535 North Michigan Avenue

City: Chicago State: IL ZIP: 60611

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$ 40.00

Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-1048 of Joan Pennington

(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Joan Pennington

Name of Person Signing

Signature

Date

Total number of pages: 2

0857 U.S. PTO

09/930699



08/15/01

# ASSIGNMENT

Σ. A  
 Aug 14, 2001  
 E. Ercan Alp

We, Deming Shu of Darien, Thomas S. Toellner of Chicago, and Ercan E. Alp of Naperville, all in the State of Illinois, for good and valuable considerations to us in hand paid, the receipt and sufficiency whereof is hereby acknowledged, have sold, assigned, conveyed and set over, and do hereby sell, assign, convey and set over unto THE UNIVERSITY OF CHICAGO, an Illinois corporation, organized under the laws of the State of Illinois, having a place of business at 5801 South Ellis Avenue, Chicago, Illinois 60637, its successors and assigns, the entire right, title and interest in and to all subject matter invented or designed by us and disclosed in the patent application for "REDUNDANTLY CONSTRAINED LAMINAR STRUCTURE AS WEAK-LINK MECHANISMS", ANL-IN-99-004, executed by us on the date hereinafter set forth, and any divisions and continuations thereof and in and to all Letters Patent of the United States, including any reissues and extensions thereof that may be obtained therefor, and the right, where such right can be legally exercised, in its own name to apply for and obtain Letters Patent, Inventor's Certificates, Utility Models and Designs, in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention as fully and entirely as we could have done if the application had been in our names, and the entire interest in any Letters Patent, Inventor's Certificate, Utility Model or Design which may be granted on any such application in such foreign country; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue Letters Patent, Inventors Certificates, Utility Models or Designs, on applications as aforesaid, to issue any and all Letters Patent, Inventor's Certificates, Utility Models and Designs that may be granted for said invention to said UNIVERSITY OF CHICAGO, its successors and assigns.

And for the above-named considerations, we hereby agree that we will without additional compensation but without cost to ourselves, promptly communicate to said UNIVERSITY OF CHICAGO, its successors and assigns, any facts known to us respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications for Letters Patent, Inventor's Certificates, Utility Models and Designs and assignments thereof, make all rightful oaths and generally do everything possible to aid said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper Letters Patents, Inventor's Certificate, Utility Model and Design protection for said invention or inventions and improvements, in the United States and in all other countries.

Dated: Aug. 14, 2001

Deming Shu

Dated: Aug 14, 2001

Thomas S. Toellner

Dated: Aug 14, 2001

E. Ercan Alp

STATE OF ILLINOIS           )  
   ) ss  
 COUNTY OF DU PAGE        )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2001, before me a Notary Public in and for the County and State aforesaid, appeared the above named persons, who are personally known to me to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed same instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

\_\_\_\_\_  
 Notary Public